40 Cal ArcGuard RevoLite Arc Flash Kit with Short Coat & Bib Overall

Specs

Product Code	• KIT4SCLT40_ _ _ _ (With Gloves) • KIT4SCLT40NG_ _ (No Gloves)
Sizes	Garment: SM-3X | Gloves: 08-12
Stock Colors	
Fabric / Material	11.2 oz. RevoLite™

Compliance

Arc Rating	40 cal/cm²
CAT Level	CAT 4
Standards	• NFPA 70E • ASTM F1506 • CSA Z462 • OSHA 1910.269

Features

Features	• 50% lighter than our standard 40 cal kits • FR hook and loop closure with drawstring waist • Stand up collar for extra coverage • Rib knit cuffs for comfortable, secure fit • Garments embroidered with arc rating • Quick disconnect and adjustable shoulder straps on bib overalls • Expandable leg opening to fit over boots • Made in the USA

Sizing Chart

ArcGuard® Kit Sizing Charts

Arc Flash Coat (C04)		
Size	**Chest**	**Sleeve Length**
SM	37" - 41"	36"
MD	40" - 44"	37"
LG	43" - 47"	38"
XL	46" - 50"	39"
2X	49" - 53"	40"
3X	52" - 56"	40"
4X	55" - 59"	41"

*Other sizes available upon request

Arc Flash Bib Overall (C45)		
Size	**Chest**	**Waist**
SM	31" - 34"	33" - 35"
MD	34" - 37"	36" - 38"
LG	37" - 40"	39" - 41"
XL	40" - 44"	42" - 45"
2X	44" - 48"	46" - 49"
3X	48" - 52"	50" - 53"
4X	52" - 56"	54" - 57"

ArcGuard® Rubber Voltage Gloves	
Size	**Hand Circumference**
8	8" or less
9	8 - 9"
10	9 - 10"
11	10" - 11"
12	11" - 12"

40 Cal ArcGuard RevoLite Crossvent Hood with PureView Faceshield

Specs

Product Code	H65NPQHFANPV
Sizes	One Size Fits Most
Stock Colors	
Fabric / Material	11.2 oz. RevoLite™

Compliance

Arc Rating	40 cal/cm²
CAT Level	CAT 4
Standards	• NFPA 70E • ASTM F2178 • CSA Z462 • ANSI/ISEA Z87.1 (Impact Rating Z81+) • OSHA 1910.269

Features

Features	• 50% lighter than our standard 40 cal/cm2 Arc Flash PPE • Inherently flame resistant • Anti-fog faceshield • Fans are attached with hook & loop • Fans are powered by 9-volt batteries • Hood provides a gentle and quiet breeze that keeps you cool and decreases lens fogging • Hard hat with slotted adapter included • FR fabric will not melt, drip, or ignite • Made in the USA

Product Care

Product Care	• Remove faceshield and hard hat prior to washing hood. Rinse faceshield in warm water to clean debris. • DO NOT use chlorine bleach or detergents containing bleach. DO NOT use hydrogen peroxide. DO NOT use fabric softeners or starch. DO NOT line-dry in sunlight. • Machine wash warm (Max. 140ºF / 60ºC) Detergent only Tumble dry low (Max. 160ºF / 71ºC). • Wash according to the instructions above to remove any contaminants in order to maintain fabric performance when garment becomes soiled with dirt, greases, oils, etc. • If contaminants cannot be removed after laundering, it is best to discontinue use of garment.

Report # K-422697-0612PNorfab		Test Report Kinectrics Inc., 800 Kipling Avenue, Unit 2 Toronto, Ontario, Canada Tel: 416-207-6000, www.kinectrics.com	KINECTRICS ISO 9001-2008
Samples Received: Nov, 2006	Samples Tested: December 7, 2006		

Tested for

Hugh Hoagland
ArcWear.com
502-314-7158
hugh@arcwear.com

Contact information for item tested:

Harrish Lilani
NorFab Corporation
610-270-0792
norfabhl1@aol.com

Test item description

Norfab, Three Layers, Style 5 PT 339, 4.7 oz/yd² 159 g/m², 40% Twaron 30% OPF 30% Kynol, Dark Green over Style 6 OQ 1 PB1 Quilted Liner, 6.0 oz/yd² 203 g/m²: Spunlace, 50% Basofil 25% Meta-Aramid 25% Para-Aramid, Yellow quilted with 100% Nomex, Powder Blue

Reference Standard

ASTM F1959/F1959M-06ae1
Standard Test Method for Determining Arc Thermal Performance of Textile Materials for Clothing by Electric Arc Exposure Method

Test Parameters:

Test current: 7.98kA
Distance to Fabric: 12"
Arc Gap: 12"

Number of samples analysed: 21

Incident Energy Range: 35 to 57 cal/cm²

Arc Rating, ATPV = 44.1 Cal/cm²
Heat Attenuation Factor, HAF = 93%

Summary

The Arc Rating of this material is intended for use as part of a flame resistant garment for workers exposed to electric arcs. The material was tested by Kinectrics as received. The test result is applicable only to the Test Item, other material or color may have different protection level. Actual performance of the complete garment may vary depending on the final design and assembly of the garment. The Arc Rating was calculated based on the data obtained and analysed in accordance with the latest version of the applicable standards. The individual test sheets, graphs, photographs of the samples and video of every test are provided in digital format to the Client for review.

As of August 1, 2010, the arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada to conform to the requirments of CAN-P-4E (ISO/IEC 17025:2005) by QMI, a division of SAI Global and North America's leading QMS registrar. Adherence to this standard provides one of the strongest assurances of service quality available. As a minimum, since July 1998 all work at Kinectrics is performed to meet the requirements of ISO 9001.

Note
- The test performed does not apply to electrical contact or electrical shock hazard.
- An unsigned copy of this report is an unofficial reporting of information. Report must be signed to validate test data and comform to quality standards.

Performed by:

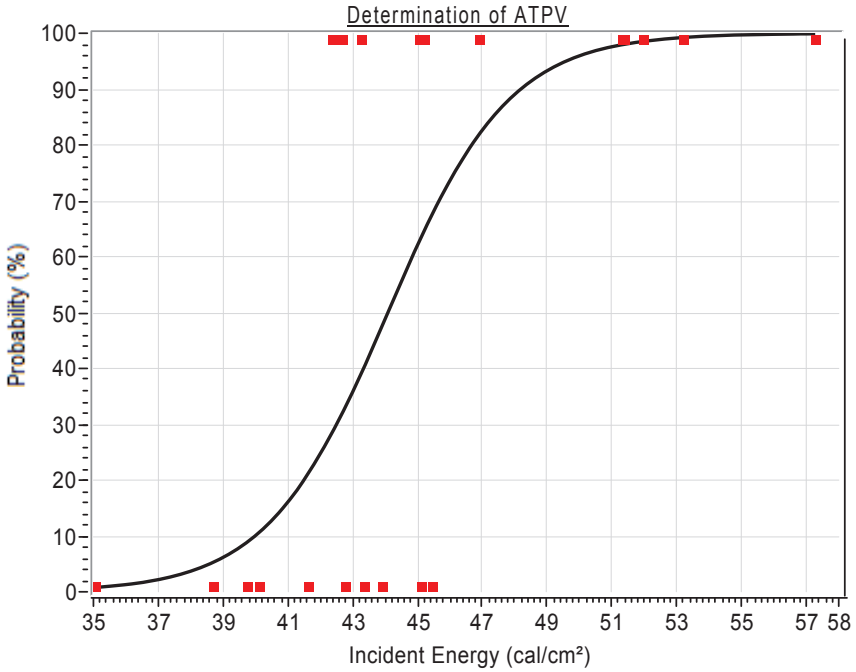
Colin Zhou
Station Operator
High Current Laboratory
Ph: 416-207-6000

Approved by:

Claude Maurice
Kinectrics
HCL Manager
PH: 416-207-6305
hcl@kinectrics.com

Date: December 7, 2006	Determination of ATPV by performing logistic regression on panel burn response as indicated in Summary Table	KINECTRICS ISO 9001-2008
Report # K-422697-0612PNorfab	Test Performed in accordance with : ASTM F1959/F1959M-06ae1	

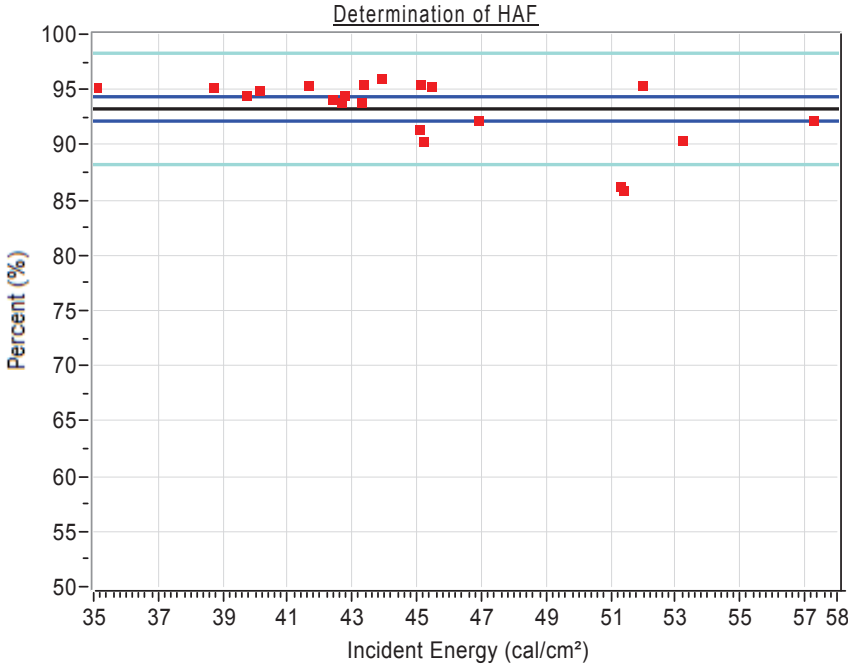
Fabric Description: Norfab, Three Layers, Style 5 PT 339, 4.7 oz/yd² 159 g/m², 40% Twaron 30% OPF 30% Kynol, Dark Green over Style 6 OQ 1 PB1 Quilted Liner, 6.0 oz/yd² 203 g/m²: Spunlace, 50% Basofil 25% Meta-Aramid 25% Para-Aramid, Yellow quilted with 100% Nomex, Powder Blue



ATPV = 44.1 cal/cm²

Probability	Ei
5%	38.6
10%	40.0
20%	41.5
30%	42.5
40%	43.3
50%	44.1
60%	44.8
70%	45.7
80%	46.7
90%	48.2

 # Pts = 21
 # Pts above Stoll = 11
 # Pts Break-Open = 7
 # Pts always >STOLL = 6
 # Pts always <STOLL = 5
 # Pts within 20% = 18
 # Pts in mix zone = 10



HAF = 93 %

Confidence Intervals
95% CI = 91.9 , 94.1

Data pts
Best Fit
95% CI
95% CI pts

Date:
December 7, 2006

Report #
K-422697-0612PNorfab

Summary Table

Test Performed in accordance with : ASTM F1959/F1959M-06ae1

KINECTRICS
ISO 9001-2008

Fabric Description: Norfab, Three Layers, Style 5 PT 339, 4.7 oz/yd² 159 g/m², 40% Twaron 30% OPF 30% Kynol, Dark Green over Style 6 OQ 1 PB1 Quilted Liner, 6.0 oz/yd² 203 g/m²: Spunlace, 50% Basofil 25% Meta-Aramid 25% Para-Aramid, Yellow quilted with 100% Nomex, Powder Blue

Summary of measured energy and observations

	Test #	Panel	Test Current A	Cycles of 60Hz	Ei Cal/cm²	SCD Cal/cm²	HAF %	Burn Y/N	Break Open Y/N	Ablation Y/N	After Flame sec.	Omit Y/N	Comment
1	06-4327	A		48.3	39.73	-0.09	94.5	No	-		-	No	
2	06-4327	B		48.3	35.07	-0.82	95.2	No	-		-	No	
3	06-4327	C		48.3	38.69	-0.55	95.2	No	-		-	No	
4	06-4329	A		52.2	46.89	1.49	92.2	Yes	Y		-	No	
5	06-4329	B		52.2	43.34	-0.57	95.5	No	-		-	No	
6	06-4329	C		52.2	43.90	-0.56	96.0	No	-		-	No	
7	06-4330	A		52.2	45.19	2.16	90.3	Yes	Y		2	No	
8	06-4330	B		52.2	40.11	-0.56	94.9	No	-		-	No	
9	06-4330	C		52.2	41.62	-0.58	95.4	No	-		-	No	
10	06-4331	A		56.2	51.30	5.20	86.3	Yes	Y		2	No	
11	06-4331	B		56.2	42.66	0.03	93.9	Yes	-		-	No	
12	06-4331	C		56.2	45.45	-0.30	95.3	No	-		-	No	
13	06-4332	A		58.3	45.06	1.77	91.4	Yes	Y		2	No	
14	06-4332	B		58.3	45.10	-0.45	95.5	No	-		-	No	
15	06-4332	C		58.3	42.76	-0.23	94.5	No	-		-	No	
16	06-4333	A		62.3	51.37	5.30	85.9	Yes	Y		2	No	
17	06-4333	B		62.3	42.38	0.00	94.1	Yes	-		-	No	
18	06-4333	C		62.3	51.96	0.06	95.4	Yes	-		-	No	
19	06-4334	A		68.3	53.20	3.05	90.4	Yes	Y		1	No	
20	06-4334	B		68.3	43.26	0.19	93.9	Yes	-		-	No	
21	06-4334	C		68.3	57.27	2.10	92.2	Yes	Y		-	No	
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													

Hugh Hoagland Consulting, Inc.

ArcWear.com

Electric Arc Exposure Tests

For National Safety Apparel, Inc.

Hood

Revolite® 40 Cal Hood, Style H65NPQH

Report Number: 1209F28, Revision: 00

September 19, 2012

Tests Conducted at Kinectrics High Current Laboratory
Toronto, Ontario, Canada

Electric Arc Exposure Report

ASTM F2178-08 Standard Test Method for Determining the Arc Rating and Standard Specification for Eye or Face Protective Products

General

At the request of Jeff Martin electric arc exposure tests were conducted on hoods for National Safety Apparel, Inc.. Jeff Martin arranged with ArcWear.com to facilitate testing by the High Current Laboratory of Kinectrics in Toronto and to review test data.

The tests documented in this report were conducted in accordance with:

- ASTM F2178-08 Standard Test Method for Determining the Arc Rating and Standard Specification for Face Protective Products

Test Samples

Hood test samples (were) received on September 17, 2012.

Samples were tested as received. No washing or any other preparation is required by the standard.

Test Results

The test program includes minimum of ten two-mannequin arc trials. The test data set is evaluated using logistic regression method.

Following test data was recorded for each trial:

- arc exposure electrical conditions: arc trial number, RMS arc current, peak arc current, arc voltage, arc duration, energy dissipated in arc, plots of arc current and arc voltage
- temperature rise response from two monitor and four face sensors for each instrumented mannequin head in each trial, plot of Incident energy distribution *Ei* from bare shot analysis
- photographs of exposed material panels
- video

Above mentioned test data is part of report and is available for download from ArcWearOnline.com arc testing website. Test data is accessible only to and protected with National Safety Apparel, Inc. unique password.

Essential test data and test results are presented in the table below and on the attached data pages as follows:

- arc rating ATPV or EBT or both and plots of the burn injury probability (ATPV) or breakopen probability (EBT) or both versus *Ei*
- test specimen description and order of layers for fabric system and faceshield
- distance from an arc center line to the panel surface

- subjective evaluation
- heat attenuation factor (HAF) and plot of HAF on *Ei*
- ignition probability value (if determined during testing)

Rating

Rating resulted from Hood arc testing is **ATPV = 56 cal/cm²**

Rating resulted from Hood Fabric System previous testing is **ATPV = 42 cal/cm²**

Hood system specified in the Table 1 below received final arc rating as:

ATPV = 42 cal/cm²

Table 1

Customer	National Safety Apparel, Inc.
Manufacturer, Part/Model Number General Design	Revolite® 40 Cal Hood, Style H65NPQH
Hood fabric system	
Layer 1	Norfab, Style 05PT339, 5.0 oz/yd² Plain Weave, 40% Twaron 30% OPF 30% Kynol, Olive
Layer 2	Norfab, Style 06OQCH1, 6.23 oz/yd² Quilted insulation: Insulation - Spunlace, 50% Basofil 25% Meta-Aramid, 25% Para-aramid, Yellow
Layer 3	Norfab, Style 06OQCH1, 6.23 oz/yd² Quilted Insulation: Liner - 100% Nomex, Blue2
Layer 4	Bib Only – Style 40022Q, Plain Weave, 65% Modacrylic 33% Nomex-Kevlar 2% Anti-static, Khaki
Hood faceshield system	
Manufacturer, Design	Elvex Style FS-ARC40-18-V Lens
Layer 1 Material, Color, Thickness	Polycarbonate, Thickness 0.07 inch, 1.8 mm, Light Green
Hard Hat	
Manufacturer, Part/Model Number	MSA Model 475358

The order of layering is numbered starting from the outer layer listed first.

Requested by: Jeff Martin

Hugh Hoagland

Approved by Hugh Hoagland
Arcwear.com

Report # K-418465-1209F28	Test Report Kinectrics Inc., 800 Kipling Avenue, Unit 2 Toronto, Ontario, Canada Tel: 416-207-6000, www.kinectrics.com	KINECTRICS ISO 9001-2008
Samples Received: SEP 17, 2012 Samples Tested: SEP 19, 2012		

Tested for

Hugh Hoagland
ArcWear.com
502-333-0510
arctesting@arcwear.com

Contact information for item tested:

Jeff Martin
National Safety Apparel, Inc.
(216) 941-1111 ext 3171
jmartin@nsamfg.com

Test item description

NSA, Revolite® 40 Cal Hood, Style H65NPQH, Faceshield: Elvex, Style FS-ARC40-18-V, Lens Light Green, .07 in Thickness, Polycarbonate, Hardhat: MSA 475358, Fabric: Three Layers, Norfab, Style 05PT339, 5.0 oz/yd² Plain Weave, 40% Twaron 30% OPF 30% Kynol, Olive over Norfab, Style 06OQCH1, 6.23 oz/yd², Liner, Spunlace, 50% Basofil 25% Meta-Aramid, 25% Para-aramid, Yellow quilted with 100% Nomex, Blue, Bib Only-Layer 4: Style 40022Q, Plain Weave, 65% Modacrylic 33% Nomex-Kevlar 2% Anti-static, Khaki, ArcWear# 1209F28

Reference Standard

ASTM F2178-08
Standard Test Method for Determining the Arc Rating and Standard Specification for Eye and Face Protective Products

Test Parameters:

Test current: 8 kA
Arc Gap: 30 cm
Distance to Fabric: 30 cm
Number of samples analysed: 20
Incident Energy Range: 38 to 68 cal/cm²

Arc Rating, ATPV = 56 Cal/cm²
Heat Attenuation Factor, HAF = 95%

Arc Rating Fabric Limit ATPV = 42 cal/cm²

Summary

The Arc Rating of this material is intended for use as part of a flame resistant garment or system for workers exposed to electric arcs. The samples were tested by Kinectrics as received. The test result is applicable only to the Test Item, other material or color may have different protection level. Actual performance of the complete garment may vary depending on the final design and assembly of the garment. The Arc Rating was calculated based on the data obtained and analysed in accordance with the latest version of the applicable standards. The individual test sheets, graphs, photographs of the samples and video of every test are provided in digital format to the Client for review.

As of August 1, 2010, the arc testing performed to the above mentioned Standard is accredited by the Standards Council of Canada to conform to the requirments of CAN-P-4E (ISO/IEC 17025:2005) by QMI, a division of SAI Global and North America's leading QMS registrar. Adherence to this standard provides one of the strongest assurances of service quality available. As a minimum, since July 1998 all work at Kinectrics is performed to meet the requirements of ISO 9001.

Note
- The test performed does not apply to electrical contact or electrical shock hazard.
- An unsigned copy of this report is an unofficial reporting of information. Report must be signed to validate test data and comform

Performed by:

Joe Ogrodowczyk
Station Operator
High Current Laboratory
Ph: 416-207-6000

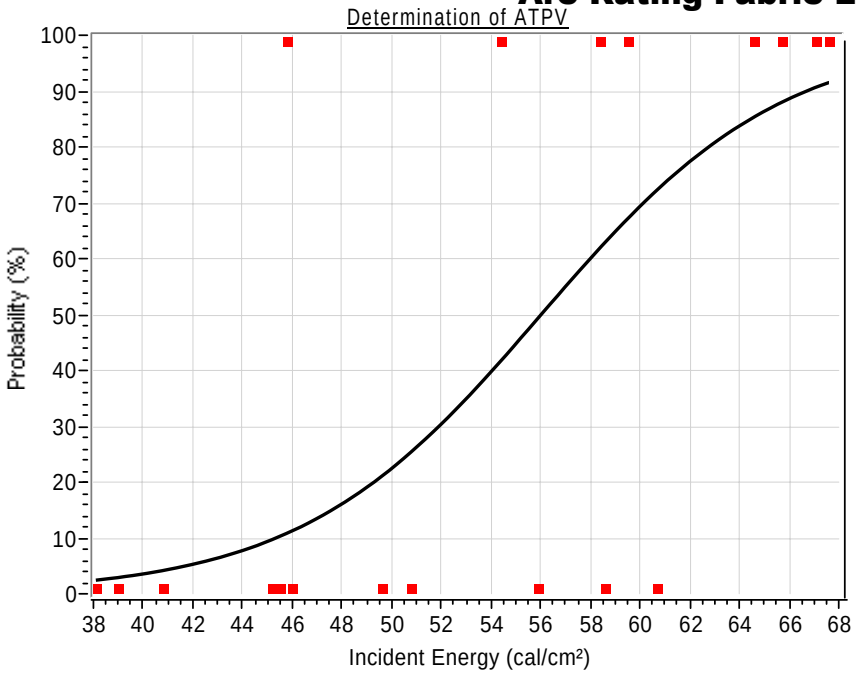
Approved by:

Claude Maurice,
Lab Manager
High Current Laboratory
hcl@kinectrics.com

Date: SEP 19, 2012	Determination of ATPV by performing logistic regression on panel burn response as indicated in Summary Table	KINECTRICS ISO 9001-2008
Report # K-418465-1209F28	Test Performed in accordance with : ASTM F2178-08	

Fabric Description: NSA, Revolite® 40 Cal Hood, Style H65NPQH, Faceshield: Elvex, Style FS-ARC40-18-V, Lens Light Green, .07 in Thickness, Polycarbonate, Hardhat: MSA 475358, Fabric: Three Layers, Norfab, Style 05PT339, 5.0 oz/yd² Plain Weave, 40% Twaron 30% OPF 30% Kynol, Olive over Norfab, Style 06OQCH1, 6.23 oz/yd², Liner, Spunlace, 50% Basofil 25% Meta-Aramid, 25% Para-aramid, Yellow quilted with 100% Nomex, Blue, Bib Only-Layer 4: Style 40022Q, Plain Weave, 65% Modacrylic 33% Nomex-Kevlar 2% Anti-static, Khaki, ArcWear# 1209F28

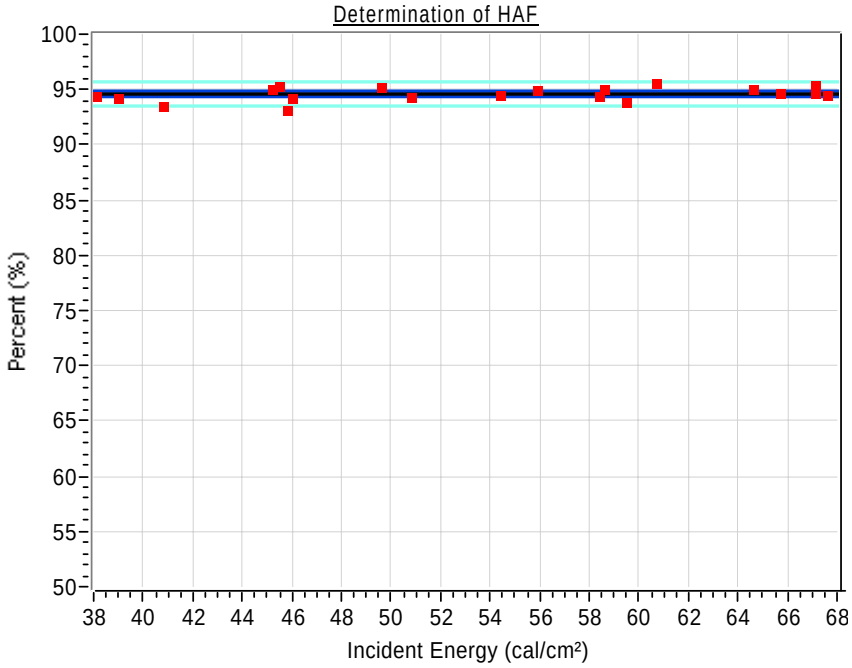
Arc Rating Fabric Limit ATPV = 42 cal/cm²



ATPV = 56 cal/cm²

Probability	Ei
5%	41.7
10%	45.4
20%	49.3
30%	51.9
40%	54.1
50%	56.0
60%	58.0
70%	60.1
80%	62.8
90%	66.7

 # Pts = 20
 # Pts above Stoll = 9
 # Pts Break-Open = 0
 # Pts always >STOLL = 5
 # Pts always <STOLL = 5
 # Pts within 20% = 16
 # Pts in mix zone = 10



HAF = 95 %

Confidence Intervals
95% CI = 94.8 , 95.2

Date:
SEP 19, 2012

Report #
K-418465-1209F28

Summary Table

Test Performed in accordance with : ASTM F2178-08

KINECTRICS
ISO 9001-2008

Fabric Description: NSA, Revolite® 40 Cal Hood, Style H65NPQH, Faceshield: Elvex, Style FS-ARC40-18-V, Lens Light Green, .07 in Thickness, Polycarbonate, Hardhat: MSA 475358, Fabric: Three Layers, Norfab, Style 05PT339, 5.0 oz/yd² Plain Weave, 40% Twaron 30% OPF 30% Kynol, Olive over Norfab, Style 06OQCH1, 6.23 oz/yd², Liner, Spunlace, 50% Basofil 25% Meta-Aramid, 25% Para-aramid, Yellow quilted with 100% Nomex, Blue, Bib Only-Layer 4: Style 40022Q, Plain Weave, 65% Modacrylic 33% Nomex-Kevlar 2% Anti-static, Khaki, ArcWear# 1209F28

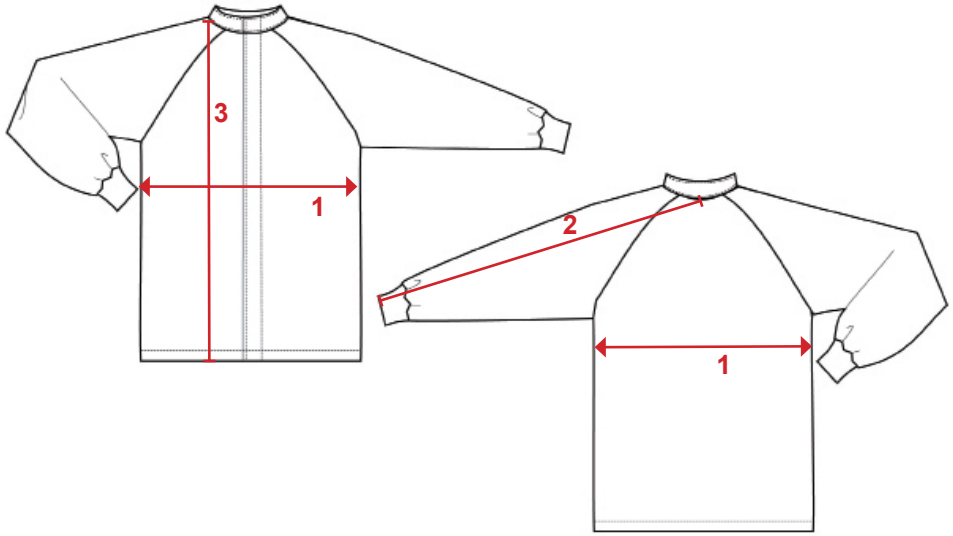
Summary of measured energy and observations

	Test #	Panel	Test Current A	Cycles of 60Hz	Ei Cal/cm²	SCD Cal/cm²	HAF %	Burn Y/N	Break Open Y/N	Ablation Y/N	After Flame sec.	Omit Y/N	Comment
1	K-418465-6834	A	7949	55.2	45.2	-0.21	95.0	No	-	-	9	No	
2	K-418465-6834	B	7949	55.2	58.4	0.2	94.4	Yes	-	-	14	No	
3	K-418465-6835	A	7971	52.2	46.0	-0.19	94.2	No	-	-	4.5	No	
4	K-418465-6835	B	7971	52.2	54.4	0.3	94.5	Yes	-	-	5	No	
5	K-418465-6836	A	7979	49.2	39.0	-0.09	94.2	No	-	-	3	No	
6	K-418465-6836	B	7979	49.2	50.8	0.2	94.3	NO	-	-	12	No	"YES" BURN CHANGED INTO 'NO", NOISE ON MONITOR SENSOR
7	K-418465-6837	A	7959	46.2	45.5	-0.37	95.3	No	-	-	5.5	No	
8	K-418465-6837	B	7959	46.2	45.8	0.4	93.1	Yes	-	-	5	No	
9	K-418465-6838	A	7977	43.2	38.1	-0.32	94.4	No	-	-	8	No	
10	K-418465-6838	B	7977	43.2	40.8	0.0	93.5	NO	-	-	14.5	No	"YES" BURN CHANGED INTO 'NO", NOISE ON MONITOR SENSOR
11	K-418465-6839	A	7927	58.2	49.6	-0.33	95.2	No	-	-	5	No	
12	K-418465-6839	B	7927	58.2	55.9	0.0	94.9	NO	-	-	9	No	"YES" BURN CHANGED INTO 'NO", NOISE ON MONITOR SENSOR 5
13	K-418465-6841	A	7922	67.2	67.1	0.84	95.4	Yes	-	-	13	No	
14	K-418465-6841	B	7922	67.2	65.7	0.3	94.7	Yes	-	-	6	No	
15	K-418465-6842	A	7956	61.3	58.6	0.07	95.0	NO	-	-	5.5	No	"YES" BURN CHANGED INTO 'NO", NOISE ON MONITOR SENSOR
16	K-418465-6842	B	7956	61.3	67.1	0.4	94.7	Yes	-	-	6	No	
17	K-418465-6843	A	7955	70.2	64.6	0.25	95.0	Yes	-	-	6	No	
18	K-418465-6843	B	7955	70.2	67.6	0.5	94.5	Yes	-	-	9	No	
19	K-418465-6844	A	7960	64.2	60.7	-0.19	95.6	No	-	-	-	No	
20	K-418465-6844	B	7960	64.2	59.5	0.4	93.9	Yes	-	-	-	No	
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													

National Safety Apparel Size Chart

How to Measure:

1. Chest
Measure just under arms and across shoulder blades holding tape firm and level.
2. Sleeve
With elbow slightly bent, measure from center of the back neck to elbow and down to the sleeve hem (as seen in the illustration).
3. Centerfront Length
Measure from the shoulder at the neck straight down to the hem holding the tape firm and level.



C04--32 Sizing Chart

Conducted By: Carrie Koman Date: 6/29/10 Verified By: Melissa Gerhardt Date: 5/31/11

Alpha Size	SM	MD	LG	XL	2X	3X	4X	5X
Chest[1]:	49”	52”	55”	58”	61”	64”	67”	70”
Sleeve Length[1]:	32”	33”	34”	35”	36”	36”	37”	37”

[1)] Actual measurement should be +/- 1” of measurement shown in chart
[2)] Actual measurement should be +/- 1/2” of measurement shown in chart
These measurements are based on a garment that has not been laundered

This sizing chart applies for the following item numbers:
C04----3203, C04------3240, C04------3240Z, C04------3240ZF, C04------3203, C04------3203F, C04------3203W, C04------3203EV, C04------3203VR, C04----3203*, C04----3203IP, C04------3225, C04----3203EV, C04----3203VR, C04----3203P, C04------3240*, C04------3240C, C04----3203Z

NSA
NATIONAL SAFETY APPAREL®

National Safety Apparel Size Chart

How to Measure:

1. Waist
Measure around the natural waistline.
2. Inseam
Measure from crotch seam down to pant hem.

C45 Sizing Chart

Conducted By: Carrie Koman Date: 6/29/10 Verified By: Melissa Gerhardt Date: 5/31/11

Alpha Size	SM	MD	LG	XL	2X	3X	4X	5X
Waist[1]:	33”	37”	41”	45”	49”	53”	57”	61”
Inseam[2]:	32” (based on a 32” inseam)							
Bib Height[2]:	13.5”	13.5”	13.5”	13.5”	13.5”	13.5”	13.5”	13.5”

[1)] Actual measurement should be +/- 1” of measurement shown in chart
[2)] Actual measurement should be +/- 1/2” of measurement shown in chart
These measurements are based on a garment that has not been laundered

This sizing chart applies for the following item numbers:
C45----32, C45------32, C45----3223, C45----32I10, C45----3214, C45----3221, C45------3240, C45----3217 C45------3240F, C45------3255ZF, C45------3255F, C45----32005, C45----32006, C45----32007, C45----3226, C45----32008, C45----32009, C45------32F, C45------32W, C4545------3222, C45------32NV, C45------32ZL, C45------32LZP, C45------3240G, C45------3240W, C45----32003, C45----32007LP, C45----3219, C45----32C C45----3219LP, C45------32I11, C45----32I11QN, C45------3214ZP, C45------3218SP, C45------3208, C45----3216, C45------3218ST, C45------3225, C45----32OR3

NSA
NATIONAL SAFETY APPAREL®

NSA (USA) JACKET Size Chart (C04) & BIB OVERALL Size Chart (C45)

How to Measure ?

To determine the proper size, always go with the larger measurement. If the individual's waist measurement is larger than their chest, than go with that.

For an individual with a 40" waist, I would have them go with a size 2X. The exact waist measurement on a 2X bib overall is 49". They should order a size 2X for both the coat and the bib overall.

Please keep in mind that these are the 'actual' measurements of the garments. To determine the correct size to order, we recommend you take an individual's chest measurement, adding 10-12" to the measurement and then looking at the chart.

Example: Chest measurement of 42", +10", they would order a size MD.